

# Comparisons of Job Characteristics

**Focus Occupation: Bicycle Repairers (49-3091)**

**Associated Occupation: Motorcycle Mechanics (49-3052)**

[Compare Knowledge](#)

[Compare Skills](#)

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<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 87

**Focus Occupation: Bicycle Repairers (49-3091)**

**Associated Occupation: Motorcycle Mechanics (49-3052)**

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	19.3	17.6	0 Current knowledge level may be sufficient
Design	5.2	12.9	8.8	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 88

**Focus Occupation: Bicycle Repairers (49-3091)**

**Associated Occupation: Motorcycle Mechanics (49-3052)**

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	13.3	12.6	0 Current skill level may be sufficient
Troubleshooting	4.5	11.2	10.1	< A higher skill level may be required
Equipment Maintenance	3.5	8.7	10.8	> Skill level is likely sufficient
Quality Control Analysis	5.9	8.7	10.0	> Skill level is likely sufficient
Equipment Selection	3.3	6.0	8.8	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 80

**Focus Occupation: Bicycle Repairers (49-3091)**

**Associated Occupation: Motorcycle Mechanics (49-3052)**

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Hearing Sensitivity	5.6	12.8	4.6	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	12.3	12.0	0	Current ability level may be sufficient
Arm-Hand Steadiness	6.8	11.6	10.6	0	Current ability level may be sufficient
Control Precision	6.6	10.8	8.1	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	10.8	11.6	0	Current ability level may be sufficient
Multilimb Coordination	6.0	10.3	6.7	<<	Extensive improvement in abilities may be required
Auditory Attention	5.9	10.0	5.8	<<	Extensive improvement in abilities may be required
Extent Flexibility	4.8	8.3	7.7	0	Current ability level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 94

**Focus Occupation: Bicycle Repairers (49-3091)**  
**Associated Occupation: Motorcycle Mechanics (49-3052)**

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Adjust or set mechanical controls or components	69
Align or adjust clearances of mechanical components or parts	72
Align or adjust clearances of vehicle body parts or components	78
Determine installation, service, or repair needed	58
Estimate time or cost for installation, repair, or construction projects	54
Fabricate, assemble, or disassemble manufactured products by hand	11
Identify properties of metals for repair or fabrication activities	71
Maintain repair records	65
Move or fit heavy objects	8
Perform safety inspections in industrial, manufacturing or repair setting	32
Read schematics	34
Read specifications	23
Read technical drawings	7
Read work order, instructions, formulas, or processing charts	9
Repair or replace malfunctioning or worn mechanical components	62
Test mechanical products or equipment	56
Understand service or repair manuals	40
Understand technical operating, service or repair manuals	6
Use acetylene welding/cutting torch	54
Use arc welding equipment	62
Use hand or power tools	2
Use knowledge of metric system	39

Use knowledge of welding filler rod types	75
Use oral or written communication techniques	1
Weld together metal parts, components, or structures	54

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Bicycle Repairers (49-3091)**  
**Associated Occupation: Motorcycle Mechanics (49-3052)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.